



# LRV WEIGHT STATUS MATRIX\*

		LRV FOLDED IN LM QUAD I	LRV ON SURFACE
MSFC REPORT	DEPLOYMENT AND LM ATTACHMENT HARDWARE	35.4	
	VEHICLE	448.66	448.66
MSC REPORT	VEHICLE LESS PAYLOAD SUPPORT	433.66	
	PAYLOAD SUPPORT	15.0	
	CARGO		1011.4
	VEHICLE PAYLOAD		213.0
	CREW SYSTEMS		798.4
TOTAL		484.06 + X #	1460.1

[ ] CONTROL WEIGHTS (TBD)

\*DERIVED FROM TBC 8-14-70 WEIGHT REPORT

#WEIGHT OF CARGO STOWED ON THE LRV WHILE IN THE LM

DEFINITIONS FOR WEIGHT AND PERFORMANCE REPORTING

RELATED TO THE LRV PROGRAM

VEHICLE:

The Lunar Roving Vehicle as deployed on the lunar surface without the VEHICLE PAYLOAD:

- including all hardware integral to the VEHICLE
- excluding any payload attachment hardware attached to the payload and stowed separately on the LM
- excluding any deployment and LM attachment hardware attached to the LM or removed from the VEHICLE after deployment

DEPLOYMENT & LM  
ATTACHMENT HARDWARE  
(DLAH):

The equipment required to secure the VEHICLE to the LM during launch and flight to the moon, and the equipment required to deploy the VEHICLE from the LM to the lunar surface:

- excluding any equipment which is an integral part of the VEHICLE
- excluding any equipment which is supplied as part of the LM

CREW SYSTEMS:

The crew and all crew support systems carried on the VEHICLE

CARGO:

Samples and scientific, photographic and support equipment carried on the VEHICLE:

- including such payload attachment hardware as pallets, clips and rings which are installed on the VEHICLE on the lunar surface

VEHICLE PAYLOAD:

The CREW SYSTEMS and CARGO

LRV FOLDED IN LM  
QUAD I:

The VEHICLE, DLAH, and any part of the CARGO stowed on the VEHICLE for transport to the moon.

LRV ON LUNAR  
SURFACE:

The VEHICLE, CARGO and CREW SYSTEMS

DEFINITIONS FOR WEIGHT AND PERFORMANCE REPORTING

(CONTINUED)

CONTROL WEIGHT:

Weight established by the Program Director as the maximum allowable for a given Lunar Roving Vehicle configuration.

PENDING CHANGES:

Changes approved by the Level II CCB pending Level I approval; changes approved by Level III CCB pending Level II and I approval; changes (RECP'S, Mission Review Actions, SCN's) pending Level III, II, or I approval; changes resulting from Headquarters letters requesting specific mission changes, studies, etc.

BELLCOMM, INC.

Subject: Definitions for LRV Weight  
and Performance Reporting  
Case 320

From: R. D. Raymond

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